

Application No. 09/626,820  
Response to Office Action

Customer No. 01933

Listing of Claims:

Claims 1-18 (Canceled).

19. (New) A management object process unit comprising:  
a control processing section for performing a control of  
selectively collecting a plurality of management objects from a  
managed device; and

5 a memory section for storing management objects collected  
from the managed device;

wherein the control processing section includes an object  
managing section for:

(i) classifying the management objects into a first  
10 type having a collection time that is shorter than a reference  
collection time, and a second type having a collection time that  
is not shorter than the reference collection time;

(ii) performing, in response to an object collection  
request for a management object of the second type, a sequence  
15 of: (a) collecting the management objects of the first type from  
the managed device, (b) storing the collected management objects,  
(c) collecting the management object of the requested second type  
after the collection of the management objects of the first type,  
and (d) transmitting the collected management object of the  
20 second type; and

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(iii) performing, in response to an object collection request for a management object of the first type, a sequence of:  
(a) retrieving from the memory section the management object of the requested first type, and (b) transmitting the retrieved  
25 management object.

20. (New) A management object process unit comprising:  
a control processing section for performing a control of selectively collecting a plurality of management objects from a managed device; and  
5 a memory section for storing management objects collected from the managed device; and  
wherein the control processing section includes an object managing section for:

10 (i) classifying the management objects into a first type having a collection time that is shorter than a reference collection time and having an access frequency that is higher than a reference frequency, and a second type having at least one of a collection time that is not shorter than the reference collection time and an access frequency that is not higher than  
15 the reference frequency;

(ii) performing, in response to an object collection request for a management object of the second type, a sequence of: (a) collecting the management objects of the first type from

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the managed device, (b) storing the collected management objects,  
20 (c) collecting the management object of the requested second type  
after the collection of the management objects of the first type,  
and (d) transmitting the collected management object of the  
second type; and

(iii) performing, in response to an object collection  
25 request for a management object of the first type, a sequence of:  
(a) retrieving from the memory section the management object of  
the requested first type, and (b) transmitting the retrieved  
management object.

21. (New) A management object process unit comprising:  
a control processing section for performing a control of  
selectively collecting a plurality of management objects from a  
managed device; and

5 a memory section for storing management objects collected  
from the managed device;

wherein the control processing section includes an object  
managing section for:

(i) classifying the management objects into a first  
10 type having a collection time that is shorter than a reference  
collection time and having a value change frequency that is  
higher than a reference frequency, and a second type having at  
least one of a collection time that is not shorter than the

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reference collection time and a value change frequency that is  
15 not higher than the reference frequency;

(ii) performing, in response to an object collection request for a management object of the second type, a sequence of: (a) collecting the management objects of the first type from the managed device, (b) storing the collected management objects 20 in the memory section, (c) collecting the management object of the requested second type after the collection of the management objects of the first type, and (d) transmitting the collected management object of the second type; and

(iii) performing, in response to an object collection request for a management object of the first type, a sequence of: (a) retrieving from the memory section the management object of the requested first type, and (b) transmitting the retrieved management object.

22. (New) A machine readable recording medium having a program for a management object process recorded thereon, said process comprising:

5 classifying the management objects into a first type having a collection time that is shorter than a reference collection time, and a second type having a collection time that is not shorter than the reference collection time;

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performing, in response to an object collection request for a management object of the second type, a sequence of:  
10 (a) collecting the management objects of the first type from the managed device, (b) storing the collected management objects, (c) collecting the management object of the requested second type after the collection of the management objects of the first type, and (d) transmitting the collected management object of the  
15 second type; and

performing, in response to an object collection request for a management object of the first type, a sequence of: (a) retrieving from the memory section the management object of the requested first type, and (b) transmitting the retrieved  
20 management object.

23. (New) A machine readable recording medium having a program for a management object process recorded thereon, said process comprising:

5 classifying the management objects into a first type having a collection time that is shorter than a reference collection time and having an access frequency that is higher than a reference frequency, and a second type having at least one of a collection time that is not shorter than the reference collection time and an access frequency that is not higher than the  
10 reference frequency;

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performing, in response to an object collection request for a management object of the second type, a sequence of:

(a) collecting the management objects of the first type from the managed device, (b) storing the collected management objects,  
15 (c) collecting the management object of the requested second type after the collection of the management objects of the first type, and (d) transmitting the collected management object of the second type; and

20 performing, in response to an object collection request for a management object of the first type, a sequence of: (a) retrieving from the memory section the management object of the requested first type, and (b) transmitting the retrieved management object.

24. (New) A machine readable recording medium having a program for a management object process recorded thereon, said process comprising:

5 classifying the management objects into a first type having a collection time that is shorter than a reference collection time and having a value change frequency that is higher than a reference frequency, and a second type having at least one of a collection time that is not shorter than the reference collection time and a value change frequency that is not higher than the reference frequency;  
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performing, in response to an object collection request for a management object of the second type, a sequence of:  
(a) collecting the management objects of the first type from the managed device, (b) storing the collected management objects in  
15 the memory section, (c) collecting the management object of the requested second type after the collection of the management objects of the first type, and (d) transmitting the collected management object of the second type; and

performing, in response to an object collection request for a management object of the first type, a sequence of:  
(a) retrieving from the memory section the management object of the requested first type, and (b) transmitting the retrieved management object.